

Applicant(s) : Shawn Shui-on Leung
U.S. Serial No.: 09/892,613
Filed : June 27, 2001
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AMENDMENTS TO THE SPECIFICATION

Please amend the third paragraph on page 11 of the specification with the following:

"Chimeric antibodies are antibodies whose variable regions are linked, without significant sequence modifications from the parent V-region sequences, to the corresponding heavy and light chain constant regions of a different species. Construction of a chimeric antibody is usually accomplished by ligating the DNA sequences encoding the variable regions to the DNA sequences encoding the corresponding constant chains. The most common types of chimeric antibodies are those containing murine variable regions and human constant regions. In this case, the expressed hybrid molecule will have the binding specificity and affinity of the parent murine antibody, and the effector functions of a human antibody. Most importantly, 2/3 of the amino acids of the recombinant protein are of human origin, a reduced or insignificant immunogenicity is therefore expected when used in human, as in the case of the therapeutic chimeric antibody C2B8 (or ~~Rituxan~~ RITUXIMAB) (Davis et al., J. Clin. Oncol. 17:1851-1857, 1999; Coiffier et al., Blood 92:1927-1932, 1998; McLaughlin et al., J. Clin. Oncol. 16:2825-2833, 1998)."

Please amend the first paragraph on page 29 of the specification with the following:

"The 5' Primer (SEQ ID no. 12) is a synthetic sense-strand oligonucleotide (51-mer) encoding amino acids 1-17 of the VH VL region. The 3' end of the primer overlaps with the 5' end of the template by 21 nucleotides."

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Please amend the fourth paragraph on page 29 of the specification with the following:

"The C-terminal half was constructed as follows: a C-template (SEQ ID no. 14) is a synthetic sense-strand oligonucleotide (120-mer) encoding amino acids 59-98 of the VH VL region (SEQ ID no. 10). The template was PCR-amplified by two primers:"

Please amend the fifth paragraph on page 29 of the specification with the following:

"The 5' Primer (SEQ ID no. 15) is a synthetic sense-strand oligonucleotide (49-mer) encoding amino acids 50-65 of the VH VL region. The 3' end of the primer overlaps with the 5' end of the template by 21 nucleotides."

Please amend the sixth paragraph on page 29 of the specification with the following:

"The 3' Primer (SEQ ID no. 16) is a synthetic antisense-strand oligonucleotide (48-mer) encoding amino acids 92-107 of the VH VL region. The primer and the template overlaps by 21 nucleotides."